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Amendment dated 06/07/2004 Reply to office action mailed 04/05/2004

The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

- 1 1. (currently amended) A method of encryption of a data file transmitted to a decoder, said method comprising steps of defining a write order of data blocks of said data file to non-sequential storage locations of a mass memory, storing said data blocks in said mass memory in accordance with said write order and updating a table having a plurality of entries corresponding to a plurality of said non-sequential storage locations, said table being located independently of said data file. encrypting the table with a key unique to the decoder, forming an encrypted table, and storing said encrypted table to said mass memory.
- 1 2. (original) A method as recited in claim 1 wherein said mass memory is a hard disk drive.
- 1 3. (original) A method as recited in claim 1 wherein said mass memory is a compact disk recorder/player.
- 1 4. (previously presented) A method as recited in claim 1, wherein said updating in said table is performed in accordance with a second key.
- 1 5. (previously presented) A method as recited in claim 4, wherein said encrypting step is performed in accordance with a third key.

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- 1 6. (previously presented) A method as recited in claim 4, wherein said key
- 2 and said second keys are identical.

- 1 7. (original) A method as recited in claim 5, wherein said second and third
- 2 keys are identical.

- 1 8. (previously presented) A method as recited in claim 5, wherein said key
- 2 and said third keys are identical.

- 1 9. (previously presented) A method as recited in claim 1, including the
- 2 further steps of
3 loading a portion of said data file, as blocks of data, into a memory
- 4 queue,
5 setting a counter in accordance with a number of blocks in said
- 6 memory queue, and
7 performing said step of defining a write order in accordance with said
- 8 counter.

- 1 10. (original) A method as recited in claim 1, wherein said data file contains
- 2 audio and video data, said method including the further step of
- 3 separating audio and video into respective data blocks.

- 1 11. (previously presented) A method as recited in claim 1, wherein said data
- 2 blocks include headers, said method including the further step of
- 3 including said write order in said header.

- 1 12. (original) A method as recited in claim 1, including a further step of

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transmitting encryption software for performing said encryption of said
data file to said decoder.

1 13. (original) A method as recited in claim 12, wherein said encryption
2 software includes said first key.

1 14. (currently amended) A decoder for receiving a digital transmission of a
2 data file including

means for defining a write order of data blocks of said data file to non-sequential storage locations of a mass memory,

means for storing said data blocks in memory in accordance with said write order and updating a table having a plurality of entries corresponding to a plurality of said non-sequential storage locations, said table being located independently of said data file.

means for encrypting the table with a key unique to the decoder, forming an encrypted table, and means for storing said encrypted table to said mass memory.

1 15. (previously presented) A decoder as recited in claim 14, wherein said
2 means for storing said data utilizes a second key and said means for
3 encrypting the table utilizes a third key.

1 16. (original) A decoder as recited in claim 15, wherein two of said first,
2 second and third keys are identical.

1 17. (previously presented) A decoder as recited in claim 14, further including
2 means for loading a portion of said data file, as blocks of data, into a
3 memory queue, and

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4 means for setting a counter in accordance with a number of blocks in
5 said memory queue
6 wherein said means for defining a write order is responsive to said
7 counter.

1 18. (previously presented) A decoder as recited in claim 14, wherein one of
2 said key, said second key and said third key is not shared with any other
3 device.

1 19. (original) A decoder as recited in claim 14, further including
2 means for receiving encryption software for encrypting said data file.

1 20. (original) A decoder as recited in claim 14, further including a port to an
2 outboard mass storage device.

1 21. (previously presented) A method as recited in claim 1, wherein said table
2 and said encrypted table are a file allocation table and an encrypted file
3 allocation table, respectively.

1 22. (previously presented) A method as recited in claim 1, wherein said
2 defining step is performed in accordance with a first key and allocates
3 corresponding sectors of said mass memory.

1 23. (previously presented) A decoder as recited in claim 14, wherein said
2 table and said encrypted table are a file allocation table and an encrypted file
3 allocation table, respectively.

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1 24. (previously presented) A decoder as recited in claim 14, wherein said
2 means for defining a write order is performed in accordance with a first key
3 and includes means for allocating corresponding sectors of said mass memory.

1 25. (currently amended) A method of protecting streaming data stored in a
2 storage device by a decoder, the method comprising steps of:

3 writing streaming data in data blocks in a memory,
4 scrambling the write order of the data blocks containing streaming data
5 when storing the data blocks containing the streaming data in the storage
6 device,

7 creating a table describing the scrambling order of the data blocks of
8 streaming data in the storage device, there being a plurality of entries in said
9 table corresponding to a plurality of said data blocks, said table being located
10 independently of said streaming data, and

11 encrypting the table with a key unique to the decoder and storing the
12 encrypted table in the storage device.

1 26. (previously presented) A method as recited in claim 25, wherein said
2 memory is a random access memory.

1 27. (previously presented) A method as recited in claim 25, wherein said
2 table is a file allocation table.